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<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<u>L12</u>	L11 not l10	1	<u>L12</u>
<u>L11</u>	(glycoside) near (I5)	2	<u>L11</u>
<u>L10</u>	(sugar) near (I5)	2	<u>L10</u>
<u>L9</u>	(sugar) same (I5)	57	<u>L9</u>
<u>L8</u>	I3 and I4 and I5	14	<u>L8</u>
<u>L7</u>	I3 and I4 and I5	0	<u>L7</u>
<u>L6</u>	I2 and I3 and I4 and I5	0	<u>L6</u>
<u>L5</u>	perfluoro\$	17659	<u>L5</u>
<u>L4</u>	diamagnetic\$	1661	<u>L4</u>
<u>L3</u>	paramagnet\$	6068	<u>L3</u>
<u>L2</u>	unger.in.	692	<u>L2</u>
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NEWS 5	Feb 19	Access via Tymnet and SprintNet Eliminated Effective 3/31/02
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NEWS 7	Mar 22	TOXLIT no longer available
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NEWS 10	Mar 28	LIPINSKI/CALC added for property searching in REGISTRY
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NEWS 17	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS 18	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS 19	Jun 03	New e-mail delivery for search results now available
NEWS 20	Jun 10	MEDLINE Reload
NEWS 21	Jun 10	PCTFULL has been reloaded
NEWS 22	Jul 02	FOREGE no longer contains STANDARDS file segment
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=> s perfluoro(w)alkyl?
L1 1854 PERFLUORO(W) ALKYL?

=> s l1 and (paramagnet? and diamagnet?)
L2 0 L1 AND (PARAMAGNET? AND DIAMAGNET?)

=> s l1 and parmagnet?
L3 0 L1 AND PARMAGNET?

=> s l1 and paramagnet?
L4 14 L1 AND PARAMAGNET?

=> s l4 and diamagnet?
L5 0 L4 AND DIAMAGNET?

=> dup rem l4
PROCESSING COMPLETED FOR L4
L6 14 DUP REM L4 (0 DUPLICATES REMOVED)

=> d ibib ab 1-
YOU HAVE REQUESTED DATA FROM 14 ANSWERS - CONTINUE? Y/(N):y

L6 ANSWER 1 OF 14 USPATFULL
 ACCESSION NUMBER: 2001:191229 USPATFULL
 TITLE: .alpha.-olefins and olefin polymers and processes therefor
 INVENTOR(S): Brookhart, Maurice S., Chapel Hill, NC, United States
 Johnson, Lynda Kaye, Wilmington, DE, United States
 Killian, Christopher Moore, Chapel Hill, NC, United States
 Arthur, Samuel David, Wilmington, DE, United States
 Feldman, Jerald, Hockessin, DE, United States
 McCord, Elizabeth Forrester, Hockessin, DE, United States
 McLain, Stephan James, Wilmington, DE, United States
 Kreutzer, Kristina Ann, Wilmington, DE, United States
 Bennett, Alison Margaret Anne, Wilmington, DE, United States
 Coughlin, Edward Bryan, Wilmington, DE, United States
 Ittel, Steven Dale, Wilmington, DE, United States
 Parthasarathy, Anju, Glenmoore, PA, United States
 Tempel, Daniel Joseph, Carrboro, NC, United States
 E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)

NUMBER	KIND	DATE
US 6310163	B1	20011030
US 1997-899002		19970710 (8)

RELATED APPLN. INFO.: Division of Ser. No. US 1996-590650, filed on 24 Jan 1996, now patented, Pat. No. US 5880241
 Continuation-in-part of Ser. No. US 1995-473590, filed on 7 Jun 1995, now abandoned
 Continuation-in-part of Ser. No. US 1995-415283, filed on 3 Apr 1995, now abandoned
 Continuation-in-part of Ser. No. US 1995-378044, filed on 24 Jan 1995, now abandoned

DOCUMENT TYPE: Utility
 FILE SEGMENT: GRANTED
 PRIMARY EXAMINER: Wu, David W.
 ASSISTANT EXAMINER: Rabago, R.
 NUMBER OF CLAIMS: 41
 EXEMPLARY CLAIM: 1
 LINE COUNT: 12859

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein are processes for polymerizing ethylene, acyclic olefins, and/or selected cyclic olefins, and optionally selected olefinic esters or carboxylic acids, and other monomers. The polymerizations are catalyzed by selected transition metal compounds, and sometimes other co-catalysts. Since some of the polymerizations exhibit some characteristics of living polymerizations, block copolymers can be readily made. Many of the polymers produced are often novel, particularly in regard to their microstructure which gives some of them unusual properties. Numerous novel catalysts are disclosed, as well as some novel processes for making them. The polymers made are useful as elastomers, molding resins, in adhesives, etc. Also described herein is the synthesis of linear .alpha.-olefins by the oligomerization of ethylene using as a catalyst system a combination of a nickel compound having a selected .alpha.-diimine ligand and a selected Lewis or

L6 ANSWER 1 OF 14 USPATFULL (Continued)
 Bronsted acid, or by contacting selected .alpha.-diimine nickel complexes with ethylene.

L6 ANSWER 2 OF 14 USPATFULL
 ACCESSION NUMBER: 2001:56069 USPATFULL
 TITLE: .alpha.-olefins and olefin polymers and processes therefor
 INVENTOR(S): Johnson, Lynda Kaye, Wilmington, DE, United States
 Killian, Christopher Moore, Chapel Hill, NC, United States
 PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)
 University of North Carolina, Chapel Hill, NC, United States (U.S. corporation)

NUMBER	KIND	DATE
US 6218493	B1	20010417
US 1997-891224		19970710 (8)

RELATED APPLN. INFO.: Division of Ser. No. US 1996-590650, filed on 24 Jan 1996, now patented, Pat. No. US 5880241
 Continuation-in-part of Ser. No. US 1995-473590, filed on 7 Jun 1995, now abandoned
 Continuation-in-part of Ser. No. US 1995-415283, filed on 3 Apr 1995, now abandoned
 Continuation-in-part of Ser. No. US 1995-378044, filed on 24 Jan 1995, now abandoned

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Wu, David W.
 ASSISTANT EXAMINER: Rabago, R.
 NUMBER OF CLAIMS: 24
 EXEMPLARY CLAIM: 1
 LINE COUNT: 12833

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein are processes for polymerizing ethylene, acyclic olefins, and/or selected cyclic olefins, and optionally selected olefinic esters or carboxylic acids, and other monomers. The polymerizations are catalyzed by selected transition metal compounds, and sometimes other co-catalysts. Since some of the polymerizations exhibit some characteristics of living polymerizations, block copolymers can be readily made. Many of the polymers produced are often novel, particularly in regard to their microstructure, which gives some of them unusual properties. Numerous novel catalysts are disclosed, as well as some novel processes for making them. The polymers made are useful as elastomers, molding resins, in adhesives, etc. Also described herein is the synthesis of linear .alpha.-olefins by the oligomerization of ethylene using as a catalyst system a combination of a nickel compound having a selected .alpha.-diimine ligand and a selected Lewis or Bronsted acid, or by contacting selected .alpha.-diimine nickel complexes with ethylene.

L6 ANSWER 3 OF 14 USPATFULL
 ACCESSION NUMBER: 2000:146485 USPATFULL
 TITLE: Polymers of cyclopentene
 INVENTOR(S): Brookhart, Maurice S., Chapel Hill, NC, United States
 Johnson, Lynda Kaye, Wilmington, DE, United States
 Killian, Christopher Moore, Chapel Hill, NC, United States
 McLain, Stephan James, Wilmington, DE, United States
 E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)
 University of North Carolina, Chapel Hill, NC, United States (U.S. corporation)

NUMBER	KIND	DATE
US 6140439		20001031
US 1997-891405		19970710 (8)

RELATED APPLN. INFO.: Division of Ser. No. US 1996-590650, filed on 24 Jan 1996, now patented, Pat. No. US 5880241 which is a continuation-in-part of Ser. No. US 1995-473590, filed on 7 Jun 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-415283, filed on 3 Apr 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-378044, filed on 24 Jan 1995, now abandoned

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Wu, David W.
 ASSISTANT EXAMINER: Rabago, Roberto
 LEGAL REPRESENTATIVE: Evans, Craig H., Lerman, Bart, Citron, Joel D.
 NUMBER OF CLAIMS: 34
 EXEMPLARY CLAIM: 1
 LINE COUNT: 12751

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein are processes for polymerizing ethylene, acyclic olefins, and/or selected cyclic olefins, and optionally selected olefinic esters or carboxylic acids, and other monomers. The polymerizations are catalyzed by selected transition metal compounds, and sometimes other co-catalysts. Since some of the polymerizations exhibit some characteristics of living polymerizations, block copolymers can be readily made. Many of the polymers produced are often novel, particularly in regard to their microstructure, which gives some of them unusual properties. Numerous novel catalysts are disclosed, as well as some novel processes for making them. The polymers made are useful as elastomers, molding resins, in adhesives, etc. Also described herein is the synthesis of linear .alpha.-olefins by the oligomerization of ethylene using as a catalyst system a combination of a nickel compound having a selected .alpha.-diimine ligand and a selected Lewis or Bronsted acid, or by contacting selected .alpha.-diimine nickel complexes with ethylene.

L6 ANSWER 4 OF 14 USPATFULL
 ACCESSION NUMBER: 2000:109926 USPATFULL
 TITLE: Copolymer of an olefin and an unsaturated partially fluorinated functionalized monomer
 INVENTOR(S): Wang, Lin, Hockessin, DE, United States
 Yang, Zhen-Yu, Wilmington, DE, United States
 PATENT ASSIGNEE(S): E.I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)
 University of North Carolina at Chapel Hill, Chapel Hill, NC, United States (U.S. corporation)

NUMBER	KIND	DATE
US 6107422		20000822
US 1997-899003		19970710 (8)
Division of Ser. No. US 1996-590650, filed on 24 Jan 1996, now patented, Pat. No. US 5880241 which is a continuation-in-part of Ser. No. US 1995-473590, filed on 7 Jun 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-415283, filed on 3 Apr 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-378044, filed on 24 Jan 1995, now abandoned		

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Wu, David W.
 ASSISTANT EXAMINER: Rabago, Roberto
 LEGAL REPRESENTATIVE: Citron, Joel D., Lerman, Bart E., Evans, Craig H.
 NUMBER OF CLAIMS: 5
 EXEMPLARY CLAIM: 1
 LINE COUNT: 12825

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein are processes for polymerizing ethylene, acyclic olefins, and/or selected cyclic olefins, and optionally selected olefinic esters or carboxylic acids, and other monomers. The polymerizations are catalyzed by selected transition metal compounds, and sometimes other co-catalysts. Since some of the polymerizations exhibit some characteristics of living polymerizations, block copolymers can be readily made. Many of the polymers produced are often novel, particularly in regard to their microstructure, which gives some of them unusual properties. Numerous novel catalysts are disclosed, as well as some novel processes for making them. The polymers made are useful as elastomers, molding resins, in adhesives, etc. Also described herein is the synthesis of linear .alpha.-olefins by the oligomerization of ethylene using as a catalyst system a combination a nickel compound having a selected .alpha.-diimine ligand and a selected Lewis or Bronsted acid, or by contacting selected .alpha.-diimine nickel complexes with ethylene. Also disclosed is a copolymer of an olefin and a fluorinated monomer of the formula H.sub.2 C.dbd.CH(CH.sub.2).sub.a R.sub.f R.sub.42 wherein "a" is an integer of 2 to 20, R.sub.f is a perfluoroalkylene group optionally containing one or more ether linkages, and R.sub.42 is a functional group other than fluorine.

L6 ANSWER 5 OF 14 USPATFULL (Continued)
 the synthesis of linear .alpha.-olefins by the oligomerization of ethylene using as a catalyst system a combination a nickel compound having a selected .alpha.-diimine ligand and a selected Lewis or Bronsted acid, or by contacting selected .alpha.-diimine nickel complexes with ethylene.

L6 ANSWER 5 OF 14 USPATFULL
 ACCESSION NUMBER: 2000:28154 USPATFULL
 TITLE: .alpha.-olefins and olefin polymers and processes therefor
 INVENTOR(S): Brookhart, Maurice S., Chapel Hill, NC, United States
 Johnson, Lynda Kaye, Wilmington, DE, United States
 Killian, Christopher Moore, Chapel Hill, NC, United States
 Arthur, Samuel David, Wilmington, DE, United States
 Feldman, Jerald, Hockessin, DE, United States
 McLain, Stephan James, Wilmington, DE, United States
 Kreutzer, Kristina Ann, Wilmington, DE, United States
 Bennett, Alison Margaret Anne, Wilmington, DE, United States
 Coughlin, Edward Bryan, Wilmington, DE, United States
 Ittel, Steven Dale, Wilmington, DE, United States
 Parthasarathy, Anju, Glenmoore, PA, United States
 Tempel, Daniel Joseph, Carboro, NC, United States
 PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)
 University of North Carolina Chapel Hill, United States (U.S. corporation)

NUMBER	KIND	DATE
US 6034259		20000307
US 1997-891398		19970710 (8)
Division of Ser. No. US 1996-590650, filed on 24 Jan 1996, now patented, Pat. No. US 5880241 which is a continuation-in-part of Ser. No. US 1995-473590, filed on 7 Jun 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-415283, filed on 3 Apr 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-378044, filed on 24 Jan 1995, now abandoned		

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Haeiro-Gonzalez, Porfirio
 LEGAL REPRESENTATIVE: Citron, Joel D., Evans, Craig H.
 NUMBER OF CLAIMS: 113
 EXEMPLARY CLAIM: 1,8,13
 LINE COUNT: 13488

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein are processes for polymerizing ethylene, acyclic olefins, and/or selected cyclic olefins, and optionally selected olefinic esters or carboxylic acids, and other monomers. The polymerizations are catalyzed by selected transition metal compounds, and sometimes other co-catalysts. Since some of the polymerizations exhibit some characteristics of living polymerizations, block copolymers can be readily made. Many of the polymers produced are often novel, particularly in regard to their microstructure, which gives some of them unusual properties. Numerous novel catalysts are disclosed, as well as some novel processes for making them. The polymers made are useful as elastomers, molding resins, in adhesives, etc. Also described herein is

L6 ANSWER 6 OF 14 USPATFULL
 ACCESSION NUMBER: 1999:72681 USPATFULL
 TITLE: Polymers of C.sub.4 and higher .alpha.-olefins
 INVENTOR(S): Brookhart, III, Maurice S., Chapel Hill, NC, United States
 Johnson, Lynda Kaye, Wilmington, DE, United States
 Killian, Christopher Moore, Chapel Hill, NC, United States
 McCord, Elizabeth Forrester, Hockessin, DE, United States
 McLain, Stephan James, Wilmington, DE, United States
 E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)
 University of North Carolina at Chapel Hill, Chapel Hill, NC, United States (U.S. corporation)

NUMBER	KIND	DATE
US 5916989		19990629
US 1997-891472		19970710 (8)
Division of Ser. No. US 1996-590650, filed on 24 Jan 1996 which is a continuation-in-part of Ser. No. US 1995-473590, filed on 7 Jun 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-415283, filed on 19 Apr 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-378044, filed on 24 Jan 1995, now abandoned		

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Nagumo, Mark
 LEGAL REPRESENTATIVE: Citron, Joel D., Evans, Craig H.
 NUMBER OF CLAIMS: 7
 EXEMPLARY CLAIM: 1
 LINE COUNT: 12881

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein are processes for polymerizing ethylene, acyclic olefins, and/or selected cyclic olefins, and optionally selected olefinic esters or carboxylic acids, and other monomers. The polymerizations are catalyzed by selected transition metal compounds, and sometimes other co-catalysts. Since some of the polymerizations exhibit some characteristics of living polymerizations, block copolymers can be readily made. Many of the polymers produced are often novel, particularly in regard to their microstructure, which gives some of them unusual properties. Numerous novel catalysts are disclosed, as well as some novel processes for making them. The polymers made are useful as elastomers, molding resins, in adhesives, etc. Also described herein is the synthesis of linear .alpha.-olefins by the oligomerization of ethylene using as a catalyst system a combination a nickel compound having a selected .alpha.-diimine ligand and a selected Lewis or Bronsted acid, or by contacting selected .alpha.-diimine nickel complexes with ethylene.

L6 ANSWER 7 OF 14 USPATFULL
 ACCESSION NUMBER: 1999:43707 USPATFULL
 TITLE: .alpha.-olefins and olefin polymers and processes therefor
 INVENTOR(S): Brookhart, Maurice S., Chapel Hill, NC, United States
 Johnson, Lynda Kaye, Wilmington, DE, United States
 Killian, Christopher Moore, Chapel Hill, NC, United States
 Arthur, Samuel David, Wilmington, DE, United States
 McCord, Elizabeth Forrester, Hockessin, DE, United States
 PATENT ASSIGNEE(S): McLain, Stephan James, Wilmington, DE, United States
 E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)
 University of North Carolina, Chapel Hill, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5891963		19990406
APPLICATION INFO.:	US 1997-891442		19970710 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-590650, filed on 24 Jan 1996 which is a continuation-in-part of Ser. No. US 1995-473590, filed on 7 Jun 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-415283, filed on 3 Apr 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-378044, filed on 24 Jan 1995, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Nagumo, Mark		
LEGAL REPRESENTATIVE:	Citron, Joel D., Evans, Craig H.		
NUMBER OF CLAIMS:	11		
EXEMPLARY CLAIM:	1		
LINE COUNT:	12995		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Disclosed herein are processes for polymerizing ethylene, acyclic olefins, and/or selected cyclic olefins, and optionally selected olefinic esters or carboxylic acids, and other monomers. The polymerizations are catalyzed by selected transition metal compounds, and sometimes other co-catalysts. Since some of the polymerizations exhibit some characteristics of living polymerizations, block copolymers can be readily made. Many of the polymers produced are often novel, particularly in regard to their microstructure, which give some of them unusual properties. Numerous novel catalysts are disclosed, as well as some novel processes for making them. The polymers made are useful as elastomers, molding resins, in adhesives, etc. Also described herein is the synthesis of linear .alpha.-olefins by the oligomerization of ethylene using as a catalyst system a combination a nickel compound having a selected .alpha.-diimine ligand and a selected Lewis or Bronsted acid, or by contacting selected .alpha.-diimine nickel complexes with ethylene.

L6 ANSWER 8 OF 14 USPATFULL (Continued)
 ethylene using as a catalyst system a combination a nickel compound having a selected .alpha.-diimine ligand and a selected Lewis or Bronsted acid, or by contacting selected .alpha.-diimine nickel complexes with ethylene.

L6 ANSWER 8 OF 14 USPATFULL
 ACCESSION NUMBER: 1999:37335 USPATFULL
 TITLE: .alpha.-diimines for polymerization catalysts
 INVENTOR(S): Brookhart, Maurice S., Chapel Hill, NC, United States
 Johnson, Lynda Kaye, Wilmington, DE, United States
 Arthur, Samuel David, Wilmington, DE, United States
 Feldman, Jerald, Hockessin, DE, United States
 Kreutzer, Kristina Ann, Wilmington, DE, United States
 Bennett, Alison Margaret Anne, Wilmington, DE, United States
 Coughlin, Edward Bryan, Wilmington, DE, United States
 Ittel, Steven Dale, Wilmington, DE, United States
 Parthasarathy, Anju, Glenmoore, PA, United States
 Tempel, Daniel Joseph, Carboro, NC, United States
 PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)
 University of North Carolina, Chapel Hill, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5886224		19990323
APPLICATION INFO.:	US 1997-891403		19970710 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-590650, filed on 24 Jan 1996 And a continuation-in-part of Ser. No. US 1995-473590, filed on 7 Jun 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-415283, filed on 3 Apr 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-378044, filed on 24 Jan 1995, now abandoned		
PRIORITY INFORMATION:	US 1995-2654P		19950822 (60)
	US 1995-7375P		19951115 (60)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Nagumo, Mark		
LEGAL REPRESENTATIVE:	Citron, Joel D, Evans, Craig H.		
NUMBER OF CLAIMS:	4		
EXEMPLARY CLAIM:	1		
LINE COUNT:	12949		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Disclosed herein are processes for polymerizing ethylene, acyclic olefins, and/or selected cyclic olefins, and optionally selected olefinic esters or carboxylic acids, and other monomers. The polymerizations are catalyzed by selected transition metal compounds, and sometimes other co-catalysts. Since some of the polymerizations exhibit some characteristics of living polymerizations, block copolymers can be readily made. Many of the polymers produced are often novel, particularly in regard to their microstructure, which gives some of them unusual properties. Numerous novel catalysts are disclosed, as well as some novel processes for making them. The polymers made are useful as elastomers, molding resins, in adhesives, etc. Also described herein is the synthesis of linear .alpha.-olefins by the oligomerization of

L6 ANSWER 9 OF 14 USPATFULL
 ACCESSION NUMBER: 1999:31002 USPATFULL
 TITLE: Processes for making .alpha.-olefins
 INVENTOR(S): Brookhart, III, Maurice S., Chapel Hill, NC, United States
 Johnson, Lynda Kaye, Wilmington, DE, United States
 Killian, Christopher Moore, Gray, TN, United States
 Wang, Lin, Hockessin, DE, United States
 Yang, Zhen-Yu, Wilmington, DE, United States
 PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)
 University of North Carolina, Chapel Hill, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5880323		19990309
APPLICATION INFO.:	US 1997-891331		19970710 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-590650, filed on 24 Jan 1996 which is a continuation-in-part of Ser. No. US 1995-473590, filed on 7 Jun 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-415283, filed on 3 Apr 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-378044, filed on 24 Jan 1995, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Nagumo, Mark		
LEGAL REPRESENTATIVE:	Evans, Craig H., Citron, Joel D.		
NUMBER OF CLAIMS:	23		
EXEMPLARY CLAIM:	1		
LINE COUNT:	12989		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Disclosed herein are processes for polymerizing ethylene, acyclic olefins, and/or selected cyclic olefins, and optionally selected olefinic esters or carboxylic acids, and other monomers. The polymerizations are catalyzed by selected transition metal compounds, and sometimes other co-catalysts. Since some of the polymerizations exhibit some characteristics of living polymerizations, block copolymers can be readily made. Many of the polymers produced are often novel, particularly in regard to their microstructure, which gives some of them unusual properties. Numerous novel catalysts are disclosed, as well as some novel processes for making them. The polymers made are useful as elastomers, molding resins, in adhesives, etc. Also described herein is the synthesis of linear .alpha.-olefins by the oligomerization of ethylene using as a catalyst system a combination a nickel compound having a selected .alpha.-diimine ligand and a selected Lewis or Bronsted acid, or by contacting selected .alpha.-diimine nickel complexes with ethylene.

L6 ANSWER 10 OF 14 USPATFULL
 ACCESSION NUMBER: 1999:30922 USPATFULL
 TITLE: Olefin polymers
 INVENTOR(S): Brookhart, Maurice S., Chapel Hill, NC, United States
 Johnson, Lynda Kaye, Wilmington, DE, United States
 Killian, Christopher Moore, Chapel Hill, NC, United States
 McCord, Elizabeth Forrester, Hockessin, DE, United States
 McLain, Stephan James, Wilmington, DE, United States
 Kreutzer, Kristina Ann, Wilmington, DE, United States
 Ittel, Steven Dale, Wilmington, DE, United States
 Tempel, Daniel Joseph, Carboro, NC, United States
 PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5880241		19990309
APPLICATION INFO.:	US 1996-590650		19960124 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1995-473590, filed on 7 Jun 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-415283, filed on 3 Apr 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-378044, filed on 24 Jan 1995, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Nagumo, Mark		
LEGAL REPRESENTATIVE:	Evans, Craig A., Citron, Joel D.		
NUMBER OF CLAIMS:	63		
EXEMPLARY CLAIM:	1		
LINE COUNT:	13067		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein are processes for polymerizing ethylene, acyclic olefins, and/or selected cyclic olefins, and optionally selected olefinic esters or carboxylic acids, and other monomers. The polymerizations are catalyzed by selected transition metal compounds, and sometimes other co-catalysts. Since some of the polymerizations exhibit some characteristics of living polymerizations, block copolymers can be readily made. Many of the polymers produced are often novel, particularly in regard to their microstructure, which gives some of them unusual properties. Numerous novel catalysts are disclosed, as well as some novel processes for making them. The polymers made are useful as elastomers, molding resins, in adhesives, etc. Also described herein is the synthesis of linear .alpha.-olefins by the oligomerization of ethylene using as a catalyst system a combination a nickel compound having a selected .alpha.-diimine ligand and a selected Lewis or Bronsted acid, or by contacting selected .alpha.-diimine nickel complexes with ethylene.

L6 ANSWER 11 OF 14 USPATFULL (Continued)
 ethylene using as a catalyst system a combination a nickel compound having a selected .alpha.-diimine ligand and a selected Lewis or Bronsted acid, or by contacting selected .alpha.-diimine nickel complexes with ethylene.

L6 ANSWER 11 OF 14 USPATFULL
 ACCESSION NUMBER: 1999:16016 USPATFULL
 TITLE: Processes of polymerizing olefins
 INVENTOR(S): Brookhart, Maurice S., Chapel Hill, NC, United States
 Johnson, Lynda Kaye, Wilmington, DE, United States
 Killian, Christopher Moore, Gray, TN, United States
 Arthur, Samuel David, Wilmington, DE, United States
 Feldman, Jerald, Hockessin, DE, United States
 McCord, Elizabeth Forrester, Hockessin, DE, United States
 McLain, Stephan James, Wilmington, DE, United States
 Kreutzer, Kristina Ann, Wilmington, DE, United States
 Bennett, Alison Margaret Anne, Wilmington, DE, United States
 Coughlin, Edward Bryan, Wilmington, DE, United States
 Ittel, Steven Dale, Wilmington, DE, United States
 Parthasarathy, Anju, Glenmoore, PA, United States
 Wang, Lin, Hockessin, DE, United States
 Yang, Zhen-Yu, Wilmington, DE, United States
 PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)
 University of North Carolina, Chapel Hill, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5866663		19990202
APPLICATION INFO.:	US 1997-891332		19970710 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-590650, filed on 24 Jan 1996 which is a continuation-in-part of Ser. No. US 1995-473590, filed on 7 Jun 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-415283, filed on 3 Apr 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-378044, filed on 24 Jan 1995, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Nagumo, Mark		
LEGAL REPRESENTATIVE:	Evans, Craig H., Citron, Joel D.		
NUMBER OF CLAIMS:	309		
EXEMPLARY CLAIM:	1		
LINE COUNT:	14322		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein are processes for polymerizing ethylene, acyclic olefins, and/or selected cyclic olefins, and optionally selected olefinic esters or carboxylic acids, and other monomers. The polymerizations are catalyzed by selected transition metal compounds, and sometimes other co-catalysts. Since some of the polymerizations exhibit some characteristics of living polymerizations, block copolymers can be readily made. Many of the polymers produced are often novel, particularly in regard to their microstructure, which gives some of them unusual properties. Numerous novel catalysts are disclosed, as well as some novel processes for making them. The polymers made are useful as elastomers, molding resins, in adhesives, etc. Also described herein is the synthesis of linear .alpha.-olefins by the oligomerization of

L6 ANSWER 12 OF 14 USPATFULL
 ACCESSION NUMBER: 1998:58109 USPATFULL
 TITLE: MR imaging compositions and methods
 INVENTOR(S): Snow, Robert A., West Chester, PA, United States
 Ladd, David L., Wayne, PA, United States
 Toner, John L., Downingtown, PA, United States
 Hollister, K. Robert, Chester Springs, PA, United States
 PATENT ASSIGNEE(S): Sterling Winthrop Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5756688		19980526
APPLICATION INFO.:	US 1993-121133		19930914 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1992-960746, filed on 14 Oct 1992		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Raymond, Richard L.		
LEGAL REPRESENTATIVE:	Fish & Richardson P.C.		
NUMBER OF CLAIMS:	17		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 3 Drawing Page(s)		
LINE COUNT:	1149		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention provides compositions useful in MR imaging comprising a polymer comprising units comprising the residue of a chelating agent linked to a poly(alkylene oxide) moiety, the polymer having a paramagnetic metal ion associated therewith.

L6 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1992:31095 CAPLUS
 DOCUMENT NUMBER: 116:31095
 TITLE: Kinetics and mechanism of low-temperature
 photochemical chlorination of perfluoro
 alkyl vinyl ethers
 AUTHOR(S): Gorshkov, A. A.; Chernyavskii, A. I.; Tupikov, V. I.;
 Lazareva, R. P.
 CORPORATE SOURCE: Nauchno-Issled. Fiz.-Khim. Inst. im. Karpova, USSR
 SOURCE: Khim. Vys. Energ. (1991), 25(5), 448-54
 CODEN: KHVKAQ; ISSN: 0023-1193
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 AB Photolysis was studied of Cl₂ in perfluorinated alkyl vinyl ether glasses
 at 77 K. Chlorination of the matrix by photoproduct Cl atom was a chain
 reaction and produced 3 types of paramagnetic particles: the
 end- and middle-chain fluoroalkyl radicals $\cdot\text{bul.CF}_2$ and $\cdot\text{bul.CF}$ resp.,
 and paramagnetic Cl donor-acceptor complexes with olefin double
 bond. The middle chain $\cdot\text{bul.CF}_2$ radicals were inactive, served as the
 inhibitors of the chain reaction, and decayed at >115 K.

L6 ANSWER 14 OF 14 USPATFULL
 ACCESSION NUMBER: 71:33412 USPATFULL
 TITLE: METHOD OF PRODUCING NITRILE POLYMERS
 INVENTOR(S): Johns, Iral B., Marblehead, MA, United States
 PATENT ASSIGNEE(S): Monsanto Research Corporation, St. Louis, MO, United
 States

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 3609128		19710928
APPLICATION INFO.:	US 1969-871343		19691024 (4)
RELATED APPLN. INFO.:	Division of Ser. No. US 1964-411140, filed on 13 Nov 1964, now patented, Pat. No. US 3502579 Continuation-in-part of Ser. No. US 1963-324213, filed on 18 Nov 1963, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Schofer, Joseph L.		
ASSISTANT EXAMINER:	Kight, John		
LEGAL REPRESENTATIVE:	Perris; L. A., Dickey; R. M., Moshier; M. B.		
NUMBER OF CLAIMS:	5		
LINE COUNT:	930		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Method for producing polymers of nitriles, especially
 perfluoroglutaronitrile and acetonitrile, in the presence of catalytic
 materials such as, graphite, nickel chloride, metal cyanocoordination
 compounds, e.g., copper phthalocyanine, at elevated temperatures, and
 in some cases, elevated pressures.

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NEWS 7 Mar 22 TOXLIT no longer available
NEWS 8 Mar 22 TRCTHERMO no longer available
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Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNnote 27, Searching Properties in the CAS
Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e mannose perfluorooctylsulfonamide/cn

E1 1 MANNOSE MALEATE POTASSIUM SALT/CN

E2 1 MANNOSE MONODECANOATE/CN

E3 0 --> MANNOSE PERFLUOROOCTYLSULFONAMIDE/CN

E4 1 MANNOSE PERMEASE/CN

E5 1 MANNOSE PERMEASE IIM (CLOSTRIDIUM PERFRINGENS STRAIN 13
GENE

CPE2630)/CN

E6 1 MANNOSE PHENYLCARBAMATE/CN

E7 1 MANNOSE PHOSPHATE ISOMERASE/CN

E8 1 MANNOSE PHOSPHATE ISOMERASE (5.3.1.8)/CN

E9 1 MANNOSE PHOSPHOMUTASE (SALMONELLA TYPHIMURIUM STRAIN LT2
GEN

E MANB C-TERMINAL FRAGMENT)/CN

E10 1 MANNOSE PHOSPHOTRANSFERASE/CN

E11 1 MANNOSE PHOSPHOTRANSFERASE (LACTOBACILLUS CURVATUS CLONE
PCU

905 ISOENZYME EII GENE MANA)/CN

E12 1 MANNOSE PHOSPHOTRANSFERASE (LACTOBACILLUS CURVATUS CLONE
PCU

905 ISOENZYME EII GENE MANB)/CN

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